west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

January 10, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4701593, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: WV 506499 (KENNEDY 6499)
Farm Name: RATLIFF, EARL W. & PEGGY
API Well Number: 47-4701593
Permit Type: Plugging
Date Issued: 01/10/2014

Promoting a healthy environment.

4701593P

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.

2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.

3. Well work activities shall not constitute a hazard to the safety of persons.

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: December 16, 2013
Operator's Well
Well No. 506499 (Kennedy 6499)
API Well No.: 47 047 - 01593

CK 17237
100.00

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4)
Well Type: Oil ____ Gas X Liquid Injection ____ Waste Disposal: ____
If Gas, Production X Or Underground storage ____ Deep ____ Shallow X

5) Elevation: 2154 Watershed: Bradshaw Creek
Location: Sandy River 06 County: McDowell 47 Quadrangle: Bradshaw 7.5' 261
District:

6) Well Operator: EQT Production Company
Address: 120 Professional Place
Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330

8) Oil & Gas Name: Gary Kennedy
Address: P.O. Box 268
Nimitz, WV 25678

9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attachment for details and procedures.

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Gary Kennedy Date 12/27/13

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PLUGGING PROGNOSIS

506499
McDowell COUNY, WEST VIRGINIA
API # 47-047-01593

BY: Beau Fry
DATE: **12/4/13**

CURRENT STATUS: ***Tubing still has 5/8" rods sticking up (5/8" pin threads stripped) 2 3/8" tubing568' from surface. 1334' 5/8 rods still in hole.***

13 3/8" csg @ 15' Grouted
9 5/8" csg @ 855' Cemented to surface
4 ½" csg @ 1964' Cemented to surface
2 3/8" tubing @ ? Probably @ 1902' and may have a tail joint
5/8" rods @ ? 1902. Rods stuck and were backed off down to 568' / 1334' of 5/8" rods in there rest are in there.
TD @ 1964'

Oil Shows – None Reported FW Shows – None Reported Gas shows – None Reported
Coal Shows – Several listed on record
Coal Stimulation: Hole perforated @ 1356'-1420' Poca,9,Firecreek, L Fire creek , Beckley - 1692' – 1902' Poca# 3 1,2,3,4

1. Notify State Inspector, **Gary Kennedy**, 1-304-382-~~9700~~ 8402 48 hrs prior to commencing operations.
2. Fish out 5/8" rods in tubing ~~to~~ close to the bottom set of perforations or all if possible , try to work tubing free. If all rods and pump retrieved out of tubing try to pump down tubing and report results.
3. If tubing will not work free and cannot pump down hole , free point tubing and shoot tubing at 1800' and pull 2 3/8" tubing and check condition.
4. TIH w/ tbg @ 1800' or Free point cut'; Set 800' C1A Cement Plug @ 1800' to 1000' (Coal Completions perforations).
5. TOOH w/ tubing let cement cure.
6. TIH w/ tubing check Cement top and set C1A Cement from Cement top to Surface totally filling remainder of well w/ cement.(Coal Completion Perfs, 9 5/8" csg pt,13 3/8" csg pt)
7. Top off as needed WV
8. Set Monument to ~~VA~~ DEP Specifications
9. Reclaim Location & Road to ~~VA~~ WV DEP Specifications

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6% GEL PLUG
BETWEEN CEMENT PLUGS

GEL MUST BE FRESH WATER COMBINED
WITH AT LEAST 6% BENTONITE (BY WEIGHT)

gNm

4701593P

PLUGGING PROGNOSIS

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McDowell COUNY, WEST VIRGINIA
API # 47-047-01593

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5/8" rods @ ? 1902. Rods stuck and were backed off down to 568' / 1334' of 5/8" rods in there rest are in there.
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Coal Shows – Several listed on record
Coal Stimulation: Hole perforated @ 1356'-1420' Poca.9.Firecreek. L Fire creek . Beckley - 1692' - 1902' Poca# 3 1.2.3.4

1. Notify State Inspector. **Gary Kennedy**. 1-304-382-~~0700~~ 8402 48 hrs prior to commencing operations.
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7. Top off as needed WV
8. Set Monument to ~~VA~~-DEP Specifications
9. Reclaim Location & Road to ~~VA~~ WV-DEP Specifications

6% gel plug Between cement plugs.

GEL MUST BE FRESH WATER COMBINED WITH AT LEAST 6% BENTONITE (BY WEIGHT).

4701593P

Kennedy 506499

WP-35

API # 47- 047-01593

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Kennedy, Cleo Operator Well No.: 506499

LOCATION: Elevation: 2153.66' Quadrangle: Bradshaw

District: Sandy River County: McDowell

					Minutes	Seconds
Latitude:	13,225	Feet South of	37	Deg.	22	30
Longitude:	5300	Feet West of	81	Deg.	50	0

Company: Equitable Production Company
P.O. Box 2347, 1710 Pennsylvania Avenue
Charleston, WV 25328

Agent: Steve Perdue

Inspector: Otis Helmick
Permit Issued: 1/10/2002
Well work commenced: 05/04/02
Well work completed: 07/05/02
Verbal Plugging
Permission granted on:
Rotary Rig X Cable Rig
Total Depth 2006 feet
Fresh water depths (ft)
Salt water depths (ft) 1630'
Is coal being mined in area?
Coal Depths (ft):

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	15.8'	15.8'	grouted
9 5/8"	855'	855'	318.6 ft³
4 1/2"	1984.5'	1984.5'	563.73 ft³
2 3/8"		1902'	

OPEN FLOW DATA
Producing formation Lower Coal Seams; Middle Coal Seams; Upper Coal Seams Pay Zone Depth (ft): See Attach for details
Gas: Initial open flow 0 MCF/d Oil: Initial open flow Bbl/d
Final open flow: 56 (in line) MCF/d Final open flow: Bbl/d
Time of open flow between initial and final tests Hours
Static rock pressure 216 psig (surface pressure) after Hours

Second producing formation Pay Zone Depth (ft):
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow: MCF/d Final open flow: Bbl/d
Time of open flow between initial and final tests Hours
Static rock pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Kathy L. Murray
For: Equitable Production Company

By: [signature]
Date: 3/18/03

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Bradshaw 1

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EQUITABLE PRODUCTION COMPANY
WR-35 COMPLETION REPORT - Attachment
Well Treatment Summary

Well: WVC-506499 API# 47-047-01593

Date	06/27/02	06/27/02	06/27/02			
Type Frac Acid, N_2, Foam, Water	70 Q Foam	70 Q Foam	70 Q Foam			
Zone Treated	Poca 1,2,3,4	Fire Creek L. Fire Creek Poca 9	Beckley			
# Perfs	29	20	20			
From - To:	1692' - 1873.7'	1356' - 1420.5'	1251.5'-1257'			
BD Pressure @ psi	2171	3087	2331			
ATP psi	2914	2587	3650			
Avg. Rate, B=B/M, S= SCF/M	9.2 B	10.2 B	7 B			
Max. Treat Press psi	3753	3386	4100			
ISIP psi	1337	1694	2046			
Frac Gradient	1.18	1.65	2.06			
10 min S-I Pressure	2007 (5 min)	1446 (5 min)	1650			
Material Volume Sand-sks	92	68	57			
Water-bbl	385	284	191			
SCF N_2	512000	413000	420000			
Acid-gal	900 gal 15%	900 gal 15%	400 gal 15%			
NOTES:						

TOP	BOTTOM	FORMATION	REMARKS
			Water @ 1630'
921.25'	927.5'	SEWELL A	
957.5'	959.5'	SEWELL B	
1043.25'	1043.75'	WELCH	
1251.5'	1257.25'	BECKLEY	
1355.75'	1359'	FIRE CREEK	
1382.75'	1383.5'	LOWER FIRE CREEK	
1419.75'	1420.25'	POCA 9	
1436.5'	1437'	POCA 8	
1691.75'	1693.75'	POCA 4	
1775'	1777'	POCA 3	
1820.75'	1824.25'	POCA 2	
1871.75'	1873.75'	POCA 1	
1928'	1929.5'	SQUIRE JIM	
		MAUCH CHUNK	
	2006'	TD	

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EQT
Where energy meets innovation

Historical Well Chronology

PLUG

Well Name: 506499 WVC-6499 Kennedy

API	Enertia Well #	PUD Name & #	Permit Number	Permit Date	Prod Resp Party	Farm Name (WV)	Operator	State
4704701593	506499							WV

Orig KB Elev...	Spud Date	Planned Well Geometry	Well Type	Loc Stat from LM	Area	County	Quad
2,174.00	5/4/2002		Conventional	Spud		Mc Dowell	

Job Category: Completion/Workover, Job Start Date: 8/29/2007

Job Category	AFE Number	Start Date	Date TD Reached (wellbore)	Target Depth (ftKB)	Total AFE Amount (Cost)
Completion/Workover		8/29/2007			

Summary

Report #: 1.0 DFS: 1943.25 **Rigs: <Rig?>** **Job Category: Completion/Workover**

Report End Date	Operations at Report Time	Last Casing String
8/29/2007 06:00	Pull tbg	

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
		0.0	0.0			

Operations Summary
AM Status: Will try again in the morning. MIRU - BWD started TOOH with 5/8 rods Pump stuck pulled 25K. Then tried to pull Tbg 2.375 EUE 4.7# 8rd it is stuck also did stretch test pulled 3 times avg 5.5" which calculates tbg stuck @ 1571'.

Job Category: Completion/Workover, Job Start Date: 7/30/2010

Job Category	AFE Number	Start Date	Date TD Reached (wellbore)	Target Depth (ftKB)	Total AFE Amount (Cost)
Completion/Workover		7/30/2010			

Summary

Report #: 1.0 DFS: 3009.00 **Rigs: <Rig?>** **Job Category: Completion/Workover**

Report End Date	Operations at Report Time	Last Casing String
7/30/2010 00:00	MIRU	

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
700.00	700.00	0.0	0.0			

Operations Summary
On 7-30: Move from Davey WV to Bradshaw WV . Miru on location this well still has rods in it. RDMO

AFE

Report #: 2.0 DFS: 3012.00 **Rigs: <Rig?>** **Job Category: Completion/Workover**

Report End Date	Operations at Report Time	Last Casing String
8/2/2010 00:00	Pull Rods	

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
1,425.00	2,125.00	0.0	0.0			

Operations Summary
On 8-2: MIRU BWD tried to pull rods work them out to 6000# would not come free. Then tried to pull tubing work with it up to 21000# Tried to call Barry @ 1:00 PM . No phone service Barry got on location @ 2:00 pm then we back off rods we got 22 rods plus 18' of pup joint out total of 568' we still have 1334' in well with a box looking up at us. I called Jeff mast and we talked about running and overshot to pull rods out and to order 3/4 rod to do it with SDFN.

AFE

Report #: 3.0 DFS: 3013.00 **Rigs: <Rig?>** **Job Category: Completion/Workover**

Report End Date	Operations at Report Time	Last Casing String
8/3/2010 00:00	Pull Rods	

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
6,647.46	8,772.46	0.0	0.0			

Operations Summary
On 8-3: Got to Location TIH with 5/8 rods set down reconnected torque rods down pulled 2300# tried backing off it came lose the same place did the same thing again this time pulled 2400# back off same place tried the same thing again while waiting on 3/4 rod to arrive on location this time pulled 2500# with same result. Truck got to location @ 1:00 PM they didn't send the box's to connect rods called oil well and they are bring down this evening. unload rods and SDFE @ 2:00 PM .

AFE

Report #: 4.0 DFS: 3014.00 **Rigs: <Rig?>** **Job Category: Completion/Workover**

Report End Date	Operations at Report Time	Last Casing String
8/4/2010 00:00	Run Rods	

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
625.00	9,397.46	0.0	0.0			

Operations Summary
On 8-4: Got to location set everything up to run overshot TIH with 2 and 1/2 rods and the overshot wouldn't go any more. Calcium build up so we TIH with 1 - 5/8 pony rod attach to 3/4 rods and screwed back in to fish and pulled 19000# and it pulled the threads off the pin. So I call Jeff and couldn't get him then call Beau ask him what to do he said he would get back to me so I waited @ Cody's shop. He called back and said to RDMO move to 508827 well LOE

AFE

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	NOTE_TEXT
1	Wells with production greater than 10 mcf/d for Operations model.
2	GREATER THAN 10Mcf/d: 2007
3	2007 Royalty Lawsuit.
4	Flo Cal
5	Sample taken from well.
6	Code - 97
7	N/A
8	Brenton UnRegulated
9	September Volume Variance.
10	Brenton WV CBM.
11	BR2 200 WELLS
12	Oct Vol Variance Analysis.
13	Brenton CBM wells.
14	Brenton.
15	Still Flat - No
16	Revised LLP_V2 Treasury list.
17	CUMUPD curve problems.
18	Curve fit checks.
19	AS Curve
20	Orifice Plate Diameter - 0.375 / Tube Diameter - 2.06500005722046
21	Comp. unit off on liquid level since 12:00 am 1/20. Thawed and blew pot on skid. Put methanol in line downstream c
22	Comp. still off due to liquid level in pot frozen.
23	Comp. and pump units are on.
24	csg. press. dropped to approx. 50#. Tbg. blowing very weak. Turned surface press. into csg.. Well cleaned up bette
25	Well press. is 5# with comp. on.
26	Repacked stuffing box.
27	clock turning too fast
28	Replaced and tightened bolts anchoring gearbox to frame. Lubed and tightened cup-box.
29	lubed pumprod
30	Reset pump cycle to 30 min. on- 30 min. off.
31	Fluid Level-2400 gal. in tank.
32	3700 gal. in tank.
33	Gearbox on PJ needs bolts replaced to tighten unit to base.
34	Blow Drip-68 bbls in tank; producing approx 4 bbls per/day.
35	Lubed and tightened stuf-box to arrest leakage.
36	PU on. 63.2 bbl in tank.
37	Maintenance-Turned well inline post curtailment. Overhauled stuf-box to arrest leakage.
38	Maintenance-Tank full; called for trk.
39	Maintenance-Lubed stuf-box (no leaks); tank full-called for trk. Flow vol=17 mcfd.
40	Maintenance-Flow=18 mcfd.
41	Maintenance-Flow=18 mcfd; lubed+tightened stuf-box.
42	Maintenance-18mcf
43	Blow Drip-Location-17MCF
44	Blow Drip - Location-Fluid Level.
45	Maintenance-Blow Drip - Location.
46	Maintenance-Blow Drip - Location.
47	Blow Drip - Location-Grease Pumping Unit.
48	Blow Drip - Location-Grease Pumping Unit.

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	NOTE_TEXT
49	Blow Drip - Location-Grease Pumping Unit -Well would not make water.
50	Blow Drip - Location-Grease Pumping Unit.
51	Blow Drip - Location-Change Chart/Download Meter-Shut pumping unit down, well wont make water.
52	Blow Drip - Location-Grease Pumping Unit -This well has stopped making all water. Flow has gone down t
53	Blow Drip - Location-Grease Pumping Unit -Well still will not produce water.
54	Change Chart/Download Meter-Blow Drip - Location
55	Change Chart/Download Meter-Blow Drip - Location
56	Change Chart/Download Meter-Blow Drip - Location
57	Change Chart/Download Meter-Blow Drip-Location-
58	Change Chart/Download Meter-Blow Drip-Location-Well is down.
59	Change Chart/Download Meter-Well is scaled off.
60	Change Chart/Download Meter-
61	Well is scaled in. Uneconomical. Remove forecast (15 MCFD uplift)
62	Change Chart/Download Meter-Well is scaled in.
63	Change Chart/Download Meter-Well is scaled in
64	Blow Drip - Location -Well is scaled in.
65	Downtime Equipment has been pulled off.
66	Downtime Equipment has been pulled off.
67	

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WW-4-A
Revised 6/07

1) Date: December 16, 2013
2) Operator's Well Number
506499 (Kennedy 6499)
3) API Well No.: 47 047 - 01593
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4) Surface Owner(s) to be served:
(a) Name Earl W & Peggy Ratliff ✓
Address 140 Eastern St
Stone, KY 41567

(b) Name
Address

(c) Name
Address

6) Inspector Gary Kennedy ✓
Address P.O. Box 268
Nimitz, WV 25~~678~~ 25978
Telephone 304-382-8402

5) (a) Coal Operator:
Name None
Address

(b) Coal Owner(s) with Declaration
Name Paul & Ruby Kennedy et al ✓
HC 61 Box 1~~9~~B 17B
Address Paynesville, WV 24873-9404

Name
Address

(c) Coal Lessee with Declaration
Name None
Address

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

(1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
(2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

OFFICIAL SEAL
Notary Public, State Of West Virginia
NICHOLAS L. BUMGARDNER
Rt. 1 Box 4
Liberty, WV 25124
My Commission Expires June 27, 2018

Well Operator: **EQT Production Company**
By: **Victoria J.Roark**
Its: **Permitting Supervisor**
Address: **PO Box 280**
Bridgeport, WV 26330
Telephone: **(304) 848-0076**

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Office of Oil & Gas
DEC 19 2013

Subscribed and sworn before me this 16 day of DECEMBER, 2013
Notary Public

My Commission Expires: 6/27/2018

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Office of Oil & Gas
DEC 19 2013

WV Department of
Environmental Protection

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, on the front if space permits.

1. Article Addressed to:

Paul & Ruby Kennedy et al
HC61 Box 17B
Paynesville, WV 24873-9404

506499

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Sherry Calhoun ☒ Agent ☐ Addressee

B. Received by (Printed Name) Sherry Calhoun
C. Date of Delivery 12-11-13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7013 2630 0002 2366 3428

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

Received
DEC 30 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

4701593P

12/16/2013 US POSTAGE $07.17 ZIP 26330 041L10228892

Paul & Ruby Kennedy et al
HC61 Box 17B
Paynesville, WV 24873-9404

506499

7013 2630 0002 2366 3428
7013 2630 0002 2366 3428

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OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Pos	

Postmark Here

Sent To
Street, Apt. or PO Box
City, State,

Paul & Ruby Kennedy et al
HC61 Box 17B
Paynesville, WV 24873-9404

506499

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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HC61 Box 17B
Paynesville, WV 24873-9404

506499

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number
(Transfer from service label) 7013 2630 0002 2366 3428

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

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Office of Oil & Gas
DEC 19 2013
WV Department of
Environmental Protection

neopost
12/16/2013
US POSTAGE

PRIORITY MAIL
ComBasPrice
$05.32

ZIP 26330
041L10228892

30

Gary Kennedy
P.O. Box 268
Nimitz, WV 25978
130271, 130281, 793799, 793806, 508888, 506499

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DEC 19 2013
WV Department of
Environmental Protection

4701593C

C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

7013 2630 0002 2366 3435

7013 2630 0002 2366 3435

12/16/2013
US POSTAGE $07.17⁰

ZIP 26330
041L10228892

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Earl W. & Peggy Ratliff
140 Eastern Street
Stone, KY 41567

506499

2. Article Number (Transfer from service label) 7013 2630 0002 2366 3435

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total F
Postmark Here

Sent To
Street, Apt. or PO B
City, Sta

Earl W. & Peggy Ratliff
140 Eastern Street
Stone, KY 41567

506499

PS Form 3800, August 2006 See Reverse for Instructions

Earl W. & Peggy Ratliff
140 Eastern Street
Stone, KY 41567

506499

4701593P

4701593P

WW-9
Revised 2/03

Page _____ of _____
2) Operator's Well Number
506499 (Kennedy 6499)
3) API Well No.: 47 047 - 01593

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: EQT PRODUCTION COMPANY OP ID: _____
Watershed: Bradshaw Creek Quadrangle: Bradshaw 7.5'
Elevation: 2154 County: McDowell District: Sandy River
Description of anticipated Pit Waste: **Formation Fluids**

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes___ No X
Will synthetic liner be used in the pit? **Yes** Is so, what ml.? **30 ml**

Proposed Disposal Method for Treated Pit Wastes:
X Land Application
___ Underground Injection - UIC Permit Number
___ Reuse (at API Number)
___ Offsite Disposal Permit #.
___ Other: Explain

Drilling medium anticipated for this well? Air, freshwater, oil based, etc.
If oil based, what type? Synthetic, petroleum, etc.
Additives to be used?

Will closed loop system be used?
Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc.
If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust
Landfill or offsite name/permit number?

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

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DEC 19 2013
WV Department of
Environmental Protection

Company Official Signature
Company Official (Typed or Printed) Victoria Roark
Company Official Title Permitting Supervisor-WV
Subscribed and sworn before me this 16 day of DECEMBER 2013
Notary Public
My Commission Expires 6/27/2018

OFFICIAL SEAL
Notary Public, State Of West Virginia
NICHOLAS L. BUMGARDNER
Rt. 1 Box 4
Liberty, WV 25124
My Commission Expires June 27, 2018

4701593P

OPERATOR'S WELL NO.:
506499 (Kennedy 6499)

LEGEND

Property Boundary

Diversion

Road

Spring

Wet Spot

Planned Fence

Drain Pipe with size in inches

Water Way

Existing Fence

Stream

Cross Drain

Open Ditch

Artificial Filter Strip

Rock

North

N

Building

Water well

Drill site

Pit with Cut Walls

Pit with Compacted Walls

Area of Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 5.8

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	**lbs/acre**	**Seed Type**	**lbs/acre**
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:

Drawing(s) of road, location, pit and proposed area for land application.

Photocopies section of involved 7.5' topographic sheet.

Plan approved by: Jeffrey Kennedy

Comments:

Title: Inspector Date: 12/27/13

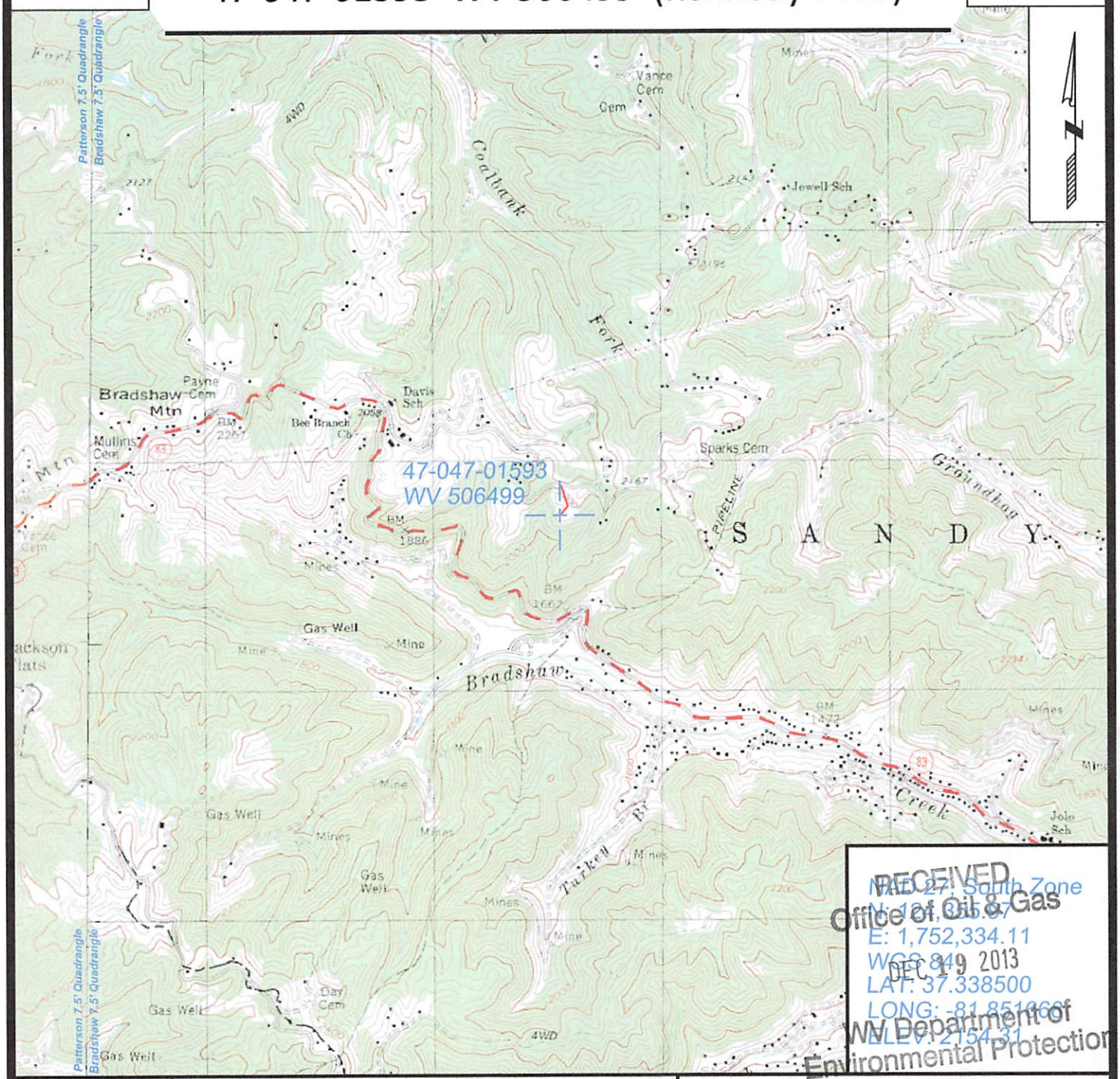
Field Reviewed? _____ Yes _____ No

4701593P

Topo Quad:	Bradshaw 7.5'	Scale:	1 " = 2000'
County:	McDowell	Date:	December 4, 2013
District:	Sandy River	Project No:	20-37-00-08

47-047-01593 WV 506499 (Kennedy 6499)

Topo



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WV Department of
Environmental Protection

NAD 27, South Zone
N: 124,355.07
E: 1,752,334.11
WGS 84
LAT: 37.338500
LONG: -81.851666
ELEV: 2154.31

SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
P.O. BOX 438
BIRCH RIVER, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

4701593P

WW-7
8-30-06

West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-047-01593 **WELL NO.:** WV 506499 (Kennedy 6499)

FARM NAME: Kennedy

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: McDowell **DISTRICT:** Sandy River

QUADRANGLE: Bradshaw 7.5'

SURFACE OWNER: Earl W. & Peggy Ratliff

ROYALTY OWNER: Paul & Ruby Kennedy, et al.

UTM GPS NORTHING: 4132764

UTM GPS EASTING: 424558 **GPS ELEVATION:** 656 m (2154 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential ____
Real-Time Differential ____
Mapping Grade GPS X : Post Processed Differential X
Real-Time Differential ____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

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Signature PS #2180 Title

12/9/13
Date